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(54) JOINING STRUCTURE OF PILLAR/BEAM OF BUILDING AND BUILDING HAVING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pillar/beam joining structure taking advantage of a through diaphragm.

SOLUTION: A structure in which two beams are joined with a steel tubular pillar 14, comprises a first diaphragm 20 and a second diaphragm 22. The first diaphragm 20 is pierced into the pillar 14, and comprises two flat plates 24, 25 fixed to the pillar 14, these two flat plates 24, 25 are arranged in the vertical direction with the same intervals as those of a pair of flanges of one beam 10, and extended in one horizontal direction and joined with one beam. A second diaphragm 22 is pierced in the pillar 14, and comprises two flat plates 26, 27 fixed to the pillar at the different level from that of the first diaphragm 20, and these two flat plates 26, 27 are arranged in the vertical direction with the same intervals as those of a pair of flanges of another beam 12, and extended in the horizontal direction substantially normal to one direction and joined with another beam.

